



Weatherhead®

Tool & Die Packages for Core Hydraulic Hose Products

Eaton is taking a new approach to helping you succeed by reducing the complexity of our hose and fitting products. This smarter range of key core products will make it easier for you to master our product portfolio, offer your business greater differentiation and reduce your overhead. But we're not stopping there. Eaton is introducing newly designed tooling sets by machine group that will cover over 80% of your core product crimping needs. This means less issues on your end; from nesting diameters, sticking collets, and other interface problems that we have engineered away. It's as easy as 1-2-3.

Once you've ordered the correct tooling package for your machine simply (refer to back of this sheet):

1. Select your core hose and fitting product combination. (making sure that application and regulatory requirements are met)
2. Based on the hose size, and the corresponding fitting selected, select the correct color coded collet. (using the chart at right)
3. Based on the crimp machine being used, refer to our core product tooling reference to determine if any spacer rings are required for your assembly.

FEATURES & BENEFITS

- Fitting locators are built into the collets
- Dies are designed for a specific fitting series
- Collet Cages are color coded by size
- Metal Collets are color coded by fitting series
- Part numbers and fitting series are **CLEARLY** labeled on the collet and spacer rings

| Hose Dash Size | Collet Cage Color Code | Z Series Collet | 4S Series Collet | 6S Series Collet |
|----------------|------------------------|---|---|---|
| | | Black | Silver | Olive |
| -04 | Red |  | N/A | N/A |
| -06 | Yellow |  |  | N/A |
| -08 | Blue |  |  | N/A |
| -10 | Orange |  |  | N/A |
| -12 | Green |  |  |  |
| -16 | Black |  |  |  |
| -20 | White |  |  |  |
| -24 | Dark Red |  |  |  |
| -32 | Dark Green |  |  |  |



T-400 Crimp Example

| | |
|-----------------------|----------|
| Hose | H28008 |
| Fitting | Z-Series |
| Die Collet Color | Black |
| Die Collet Cage Color | Blue |



Optimized Weatherhead Tooling Packages

Tooling for Crimp Machines: T-400*, T-460**, T-462**, T-465**



Package Part Number:

T400TP-1001

Crimps: H180/H280 with Z series sizes -04, -06, -08, 12, 16

Package Contains:

| Part Number | Description | Part Number | Description |
|-------------|--------------------|--------------|-----------------|
| ET313DC-4Z | 4Z Braided Collet | ET400AR-10 | Adapter Bowl |
| ET313DC-6Z | 6Z Braided Collet | ET313SR-090A | H180 4-8 Ring |
| ET313DC-8Z | 8Z Braided Collet | ET400SR-180A | H180 12-16 Ring |
| ET400DC-12Z | 12Z Braided Collet | ET400SR-280A | H280 12-16 Ring |
| ET400DC-16Z | 16Z Braided Collet | | |

* -16 crimps are not possible with air/ hydraulic and hand pump options

** Will not crimp -12 and -16 sizes

Tooling for Crimp Machines: ET1000



Package Part Number:

ET1000TP-1001

Crimps: H180/H280 with Z series sizes -04, -06, -08, 12, 16
H430 with 4S/6S sizes -08, 12, 16

Package Contains:

| Part Number | Description | Part Number | Description |
|--------------|--------------------|---------------|--------------------|
| ET313DC-4Z | 4Z Braided Collet | ET313SR-090A | H180 Ring 4,6,8 |
| ET313DC-6Z | 6Z Braided Collet | ET425SR-150A | H180 Ring 12,16 |
| ET313DC-8Z | 8Z Braided Collet | ET313DC-4S8 | 4S8 Spiral Collet |
| ET1000DC-12Z | 12Z Braided Collet | ET1000DC-4S12 | 4S12 Spiral Collet |
| ET1000DC-16Z | 16Z Braided Collet | ET1000DC-4S16 | 4S16 Spiral Collet |

Tooling for Crimp Machines: T-420, T-480



Package Part Number:

T420TP-1001

Crimps: H180/H280 with Z series sizes -04, -06, -08, 12, 16
H430 with 4S/6S sizes -08, 12, 16, 20

Package Contains:

| Part Number | Description | Part Number | Description |
|-------------|--------------------|--------------|--------------------|
| ET425DC-4Z | 4Z Braided Collet | ET425SR-105A | H180 Ring |
| ET425DC-6Z | 6Z Braided Collet | ET425DC-4S8 | 4S8 Spiral Collet |
| ET425DC-8Z | 8Z Braided Collet | ET425DC-4S12 | 4S12 Spiral Collet |
| ET425DC-12Z | 12Z Braided Collet | ET425DC-4S16 | 4S16 Spiral Collet |
| ET425DC-16Z | 16Z Braided Collet | ET425DC-4S20 | 4S20 Spiral Collet |
| ET425AR-14 | Adapter Bowl | | |

Tooling for Crimp Machines: ET4000, ET4001, T-410*, T-440*



Package Part Number:

ET4001TP-1001

Crimps: H180/H280 with Z series sizes -04, -06, -08, 12, 16
H430 with 4S/6S sizes -08, 12, 16, 20, 24, 32

Package Contains:

| Part Number | Description | Part Number | Description |
|--------------|--------------------|--------------|--------------------|
| ET525DC-4Z | 4Z Braided Collet | ET525DC-4S8 | 4S8 Spiral Collet |
| ET525DC-6Z | 6Z Braided Collet | ET525DC-4S12 | 4S12 Spiral Collet |
| ET525DC-8Z | 8Z Braided Collet | ET525DC-4S16 | 4S16 Spiral Collet |
| ET525DC-12Z | 12Z Braided Collet | ET525DC-4S20 | 4S20 Spiral Collet |
| ET525DC-16Z | 16Z Braided Collet | ET575DC-4S24 | 4S24 Spiral Collet |
| ET525SR-120A | H180 Ring | ET575DC-4S32 | 4S32 Spiral Collet |
| ET575SR-135A | H43032 Ring | | |

* These machines can not crimp 4S24, 4S32, 6S24, or 6S32 fittings



Reference tooling charts in **Eaton Weatherhead Core Hydraulic Hose Products Brochure** for additional capabilities.